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| Michael T. Davis  Algebra II – Delta & Eta | | Practicing Graphing Parabolas in Factored From  May 20, 2015 | |
| Name: | |

**Part A: Match each equation to its graph.**

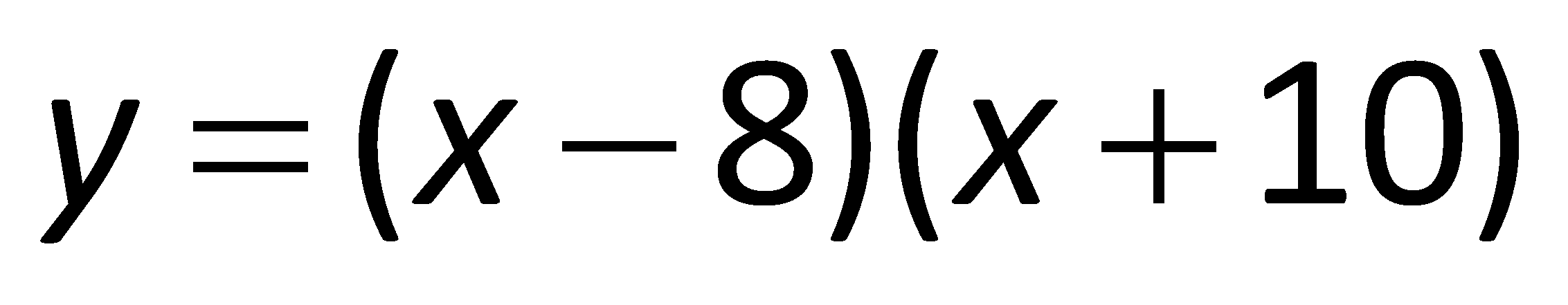
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**Part B: Graph functions.**

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| grid20x20_Axes_NoNumbers | grid20x20_Axes_NoNumbers |

**Part C: Summarize your thoughts.**

*Suppose a friend of yours was absent and needs to get caught up quickly. Write your explanations to the following with your friend in mind. Be extra clear with your words.*

1. Explain how you see the *x* intercepts (also called roots) in the function  without graphing it.
2. Describe how you can find the roots for any quadratic function written in factored form by looking at just the equation.
3. Explain how you can find the line of symmetry if you know the *x* intercepts of a quadratic function written in factored form by looking at just the equation.
4. Explain how you can find the *y* intercept of a quadratic function written in factored form by looking at just the equation.
5. Explain a strategy you can use for graphing a quadratic function by hand when it’s written in factored form.